



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

**PLAGUE-PREVENTION WORK.****CALIFORNIA.**

The following reports of plague-prevention work in California were received from Passed Asst. Surg. Williams, of the United States Public Health Service, in charge of the work.

WEEK ENDED OCT. 28, 1916.

FEDERAL AND COUNTY INSPECTION SERVICE.

(For the enforcement of the law of June 7, 1913.)

Counties.	Number of inspections.	Number of re-inspections.	Acres inspected.	Acres re-inspected.	Acres treated.		Holes treated.
					Waste balls.	Grain.	
Contra Costa.....	2	75	675	20,719	.....	4,840	.....
Alameda.....	.....	90	.....	25,227	.....	4,181	.....
Stanislaus.....	45	79	2,839	20,775	200	7,769	420
Santa Cruz.....	.....	33	.....	4,628	.....	1,530	.....
Merced.....	16	50	5,870	19,288	.....	18,658	.....
Monterey.....	25	22	11,332	21,832	.....	17,135	.....
San Benito.....	13	30	27,735	34,321	.....	28,321	.....
Santa Clara.....	32	14	11,124	8,895	50	4,420	490
San Mateo.....	10	7	534	1,952	.....	570	.....
Total.....	143	400	60,109	157,637	250	87,424	910

**RATS COLLECTED AND EXAMINED FOR PLAGUE.****Oakland:**

Collected.....	49
Examined.....	49
Infected.....	None.

**OPERATIONS ON THE WATER FRONT.**

Number of vessels inspected for rat guards.....	25
Number of reinspections made on vessels.....	7
Number of new rat guards procured.....	2
Rats trapped on wharves and water front.....	72
Rats trapped on vessels.....	34
Number of traps set on wharves and water front.....	306
Number of traps set on vessels.....	120

**OPERATIONS ON THE WATER FRONT—continued.**

Number of vessels trapped on.....	21
Poisons placed on water front (pieces).....	3,600
Bait used on water front and vessels, bacon (pounds).....	4
Amount of bread used in poisoning water front (loaves).....	12
Number of pounds of poison used on water front.....	4

The following is a record of municipal work performed under the supervision of the Public Health Service:

**COOPERATIVE MUNICIPAL WORK.**

Number of premises inspected.....	689
Number of nuisances abated.....	90
Number of rats trapped.....	106
Number of rats sent to laboratory.....	106
Number of rats examined.....	81
Number of poisons placed.....	17,600
Number garbage cans stamped approved.....	450
Rats identified: <i>Mus norvegicus</i> , 36; <i>Mus rattus</i> , 15; <i>Mus alexandrinus</i> , 55.	

**WORK DONE ON OLD BUILDINGS.**

Wooden floors removed.....	11
Number yards and passageways, planking removed.....	10
Cubic feet new foundation walls installed.....	5,145
Concrete floors installed (square feet, 71,500).....	15
Number of basements concreted (square feet, 11,100).....	15
Yards and passageways, etc. concreted (square feet, 5,855).....	9
Total area concrete laid (square feet).....	88,455
Number floors rat proofed with wire cloth (square feet, 6,275).....	6
Buildings razed.....	4

WEEK ENDED NOV. 4, 1916.

## FEDERAL AND COUNTY INSPECTION SERVICE.

(For the enforcement of the law of June 7, 1913.)

Counties.	Number of inspections.	Number or reinspections.	Acres inspected.	Acres reinspected.	Acres treated.		Holes treated.
					Waste balls.	Grain.	
Contra Costa .....		62		16,016		5,475	
Alameda .....		119		30,132		3,479	
Stanislaus .....	41	75	23,204	27,441	1,536	13,795	1,368
Santa Cruz .....		34		6,386		561	
Merced .....	8	31	8,045	23,050		31,330	
Monterey .....	13	26	8,936	23,127		21,396	
San Benito .....	20	49	34,190	36,312		11,472	
Santa Clara .....	32	18	10,946	3,765	45	2,957	360
San Mateo .....	12	6	2,280	1,196		145	
Total .....	126	420	84,601	167,425	1,581	90,610	1,728

## RATS COLLECTED AND EXAMINED FOR PLAGUE.

Oakland:	
Collected .....	92
Examined .....	92
Found infected .....	None.

## RECORD OF PLAGUE INFECTION.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco .....	Jan. 30, 1908	Oct. 23, 1908	(1)	393 rats.
Oakland .....	Aug. 9, 1911	Dec. 1, 1908	(1)	126 rats.
Berkeley .....	Aug. 28, 1937	(1)	(1)	None.
Los Angeles .....	Aug. 11, 1908	(1)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley) .....	Sept. 24, 1909	Oct. 17, 1909 <sup>2</sup>	June 23, 1916	293 squirrels; 1 wood rat.
Contra Costa .....	July 13, 1915	(1)	June 28, 1916	1,629 squirrels.
Fresno .....	(1)	(1)	Oct. 27, 1911	1 squirrel.
Merced .....	(1)	(1)	May 12, 1916	7 squirrels.
Monterey .....	(1)	(1)	May 27, 1916	38 squirrels.
San Benito .....	June 4, 1913	(1)	July 1, 1916	72 squirrels.
San Joaquin .....	Sept. 18, 1911	(1)	Aug. 26, 1911	18 squirrels.
Santa Clara .....	Aug. 31, 1910	(1)	June 21, 1916	32 squirrels.
San Luis Obispo .....	(1)	(1)	Jan. 29, 1910	1 squirrel.
Santa Cruz .....	(1)	(1)	May 30, 1916	5 squirrels.
Stanislaus .....	(1)	(1)	June 2, 1911	18 squirrels.
San Mateo .....	(1)	(1)	June 21, 1916	1 squirrel.

<sup>1</sup> None.<sup>2</sup> Wood rat.

The work is being carried on in the following-named counties: Alameda, Contra Costa, Stanislaus, Monterey, San Benito, Santa Cruz, Merced, Santa Clara, and San Mateo.

## OPERATIONS ON THE WATER FRONT.

Number of vessels inspected for rat guards..	18
Number of reinspections made on vessels..	1
Number of new rat guards procured .....	4
Rats trapped on wharves and water fronts..	66
Rats trapped on vessels .....	40
Number traps set on wharves and water fronts .....	284
Number of traps set on vessels .....	101

## OPERATIONS ON THE WATER FRONT—continued.

Number of vessels trapped on .....	17
Poisons placed on water front (pieces) .....	3,600
Bait used on water front and vessels—bacon (pounds) .....	5
Amount of bread used in poisoning water front (loaves) .....	12
Number of pounds of poison used on water front .....	4

The following is a record of municipal work performed under the supervision of the Public Health Service:

COOPERATIVE WORK (MUNICIPAL).		WORK DONE ON OLD BUILDINGS.	
Number of premises inspected.....	676	Wooden floors removed.....	15
Number of nuisances abated.....	98	Number yards and passageways, planking removed.....	4
Number of rats trapped.....	106	Cubic feet new foundation walls installed..	1,830
Number of rats examined.....	101	Concrete floors installed (square feet, 26,830).....	16
Number of poisons placed.....	14,600	Number of basements concreted (square feet, 5,650).....	8
Number of garbage cans stamped approved.....	900	Yards and passageways, etc., concreted (square feet, 550).....	4
Rats identified: <i>Mus norvegicus</i> , 43; <i>Mus rattus</i> , 14; <i>Mus alexandrinus</i> , 49.		Total area concrete laid (square feet).....	33,030
		Number floors rat proofed with wire cloth (square feet, 8,320).....	8
		Buildings razed.....	

### LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended November 11, 1916, was received from Passed Asst. Surg. Simpson, of the United States Public Health Service, in charge of the work:

OUTGOING QUARANTINE.		LABORATORY OPERATIONS—continued.	
Number of vessels fumigated with sulphur.....	1	Rodents received by species—Continued.	
Number of vessels fumigated with cyanide gas.....	12	<i>Mus musculus</i> .....	8,281
Pounds of sulphur used.....	20	Wood rats.....	192
Pounds of cyanide used in cyanide-gas fumigation.....	698	Muskrats.....	2
Pints of sulphuric acid used in cyanide-gas fumigation.....	1,046	Putrid.....	181
Clean bills of health issued.....	33	Total rodents received at laboratory.....	9,535
		Rodents examined.....	1,312
		Number of rats suspected of plague.....	13
		Plague rats confirmed.....	14
FIELD OPERATIONS.		PLAGUE RATS.	
Number of rodents trapped.....	9,549	Case No. 346:	
Number of premises inspected.....	6,434	Address, 1056 South Rampart Street.	
Notices served.....	456	Captured, Sept. 4, 1916.	
Number of garbage cans installed.....	9	Diagnosis confirmed, Nov. 5, 1916.	
		Treatment of premises: All rat-proofing work since completed.	
BUILDINGS RAT PROOFED.		PLAGUE STATUS TO NOV. 11, 1916.	
By elevation.....	72	Last case of human plague, Sept. 8, 1915.	
By marginal concrete wall.....	121	Last case of rodent plague, Oct. 4, 1916.	
By concrete floor and wall.....	77	Total number of rodents captured to Nov. 11.....	922,242
By minor repairs.....	292	Total number of rodents examined to Nov. 11.....	394,993
Total buildings rat proofed.....	562	Total cases of rodent plague to Nov. 11, by species:	
Square yards of concrete laid.....	2,604	<i>Mus musculus</i> .....	6
Number of premises, planking and shed flooring removed.....	66	<i>Mus rattus</i> .....	22
Number of buildings demolished.....	79	<i>Mus alexandrinus</i> .....	18
Total buildings rat proofed to date (abated).....	131,182	<i>Mus norvegicus</i> .....	300
		Total rodent cases to Nov. 11, 1916....	346
LABORATORY OPERATIONS.			
Rodents received by species:			
<i>Mus rattus</i> .....	156		
<i>Mus norvegicus</i> .....	590		
<i>Mus alexandrinus</i> .....	133		

<sup>1</sup> Indicates the number of rodents the tissues of which were inoculated into guinea pigs. Most of these showed on necropsy only evidence of recent inflammatory process; practically none presented gross lesions characteristic of plague infection.

## WASHINGTON—SEATTLE—PLAGUE ERADICATION.

The following report of plague-eradication work at Seattle for the week ended November 4, 1916, was received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

RAT PROOFING.		WATER FRONT.	
New buildings inspected.....	16	Vessels inspected and histories recorded....	15
New buildings reinspected.....	25	Vessels fumigated.....	2
Basements concreted, new buildings (square feet, 17,245).....	10	Sulphur used, pounds.....	1,600
Floors concreted, new buildings (square feet, 23,280).....	11	New rat guards installed.....	8
Yards, etc., concreted, new structures (square feet, 1,750).....	4	Defective rat guards repaired.....	12
Sidewalks concreted (square feet).....	8,206	Fumigation certificates issued.....	2
Total concrete laid, new structures (square feet).....	50,481	Port sanitary statements issued.....	35
New buildings elevated.....	5	The usual day and night patrol was maintained to enforce rat guarding and fending.	
New premises rat proofed, concrete.....	21	MISCELLANEOUS WORK.	
Old buildings inspected.....	3	Rat-proofing notices sent to contractors, new buildings.....	12
Premises rat proofed, concrete, old buildings.....	3	Letters sent in re rat complaints.....	5
Floors concreted, old buildings (square feet, 3,480).....	3	Health lectures delivered.....	1
Wooden floors removed, old buildings.....	3	RODENTS EXAMINED IN EVERETT.	
Buildings razed.....	2	Mus norvegicus trapped.....	65
LABORATORY AND RODENT OPERATIONS.		Mus musculus trapped.....	4
Dead rodents received.....	10	Total.....	69
Rodents trapped and killed.....	371	Rodents examined for plague infection.....	63
Rodents recovered after fumigation.....	10	Rodents proven plague infected.....	None.
Total.....	391	RAT PROOFING OPERATIONS IN EVERETT.	
Rodents examined for plague infection.....	268	New buildings reinspected.....	4
Rodents proven plague infected.....	None.	New buildings, basements concreted (square feet, 1,640).....	1
Poison distributed, pounds.....	10	New buildings, floors concreted (square feet, 800).....	1
Bodies examined for plague infection.....	3	Total concrete laid, new buildings (square feet).....	2,440
Bodies found plague infected.....	None.	RODENTS EXAMINED IN TACOMA.	
CLASSIFICATION OF RODENTS.		Mus norvegicus trapped.....	134
Mus rattus.....	29	Mus alexandrinus trapped.....	2
Mus alexandrinus.....	59	Total.....	136
Mus norvegicus.....	230	Rodents examined for plague infection.....	133
Mus musculus.....	73	Rodents proven plague infected.....	None.

## HAWAII—HILO—PLAGUE PREVENTION.

The following report of plague-prevention work at Hilo, Hawaii, for the week ended October 21, 1916, was received from Surg. Trotter, of the United States Public Health Service:

Number of rats and mongoose received at laboratory.....	3,124	Classification of rats trapped and found dead:	
Number of rats trapped.....	3,055	Mus norvegicus.....	590
Number of mongoose taken.....	69	Mus alexandrinus.....	356
Number of rats and mongoose examined macroscopically.....	3,124	Mus rattus.....	587
Number of rats and mongoose plague infected.....	None.	Mus musculus.....	1,522
		Last case of rat plague, Paauhau Sugar Co., Jan. 18, 1916.	
		Last case of human plague, Paauhau Sugar Co., Dec. 16, 1915.	